

UNIVERSITY OF VICTORIA NEWSLETTER

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Space is so tight on campus these days, the Theatre Department can't find any room for hundreds of its costumes. Here Irene Pieper shows only one roomful of costumes at "Rat House" on Argyle Street. So called because it was once used for rat experiments (and it has a ratty, dingy atmosphere), Rat House has been turned over for use to nearby Camosun College, and the problem now is where to find space where all the gear can be put properly on racks. There is also one room in the Theatre Department which is entirely filled by a pile of costumes. Miss Pieper, who is in charge of wardrobe, says "help".

UVIC TO THE RESCUE

UVic's cold water research team headed by Dr. John Hayward (Biology) has been contracted by the U.S. Coast Guard for \$8,000 to come up with data aimed at saving the lives of seamen working on the Great Lakes.

Dr. Hayward said the Coast Guard wants "to find out one simple and basic fact: the cooling rate or survival time of men overboard wearing heavy clothing".

He said this is further evidence on how much cold water has been overlooked as a major cause of death in shipping and boating accidents.

"This data should have been around a long time ago, but it hasn't been done, and that is why the Coast Guard is coming to us."

As soon as UVic's research determines how long a man can stay alive in heavy clothing, be it two or three hours or whatever, the Great Lakes division of the Coast Guard will know how fast it will have to move in case of accidents.

Dr. Hayward said that now with the extended navigational season in the Great Lakes, brought on by the use of ice-breakers, the safety of seamen has become a major concern of lake carriers and unions on both sides of the border.

Recognized as North America's foremost experts on cold water survival, Drs. Hayward, Martin Collis and John Eckerson have designed and developed the "Uvic thermofloat jacket". It is a windbreaker that can be used for everyday wear and at the same time be instantaneously changed into a modified wetsuit that can keep a person alive eight or nine hours in cold water (5 to 10 degrees Celsius), about triple survival time compared to a normal lifejacket.

The jacket, which is just coming out on the market, was designed from research done on lightly-dressed volunteers immersed in the year-round freezing waters off Vancouver Island.

Dr. Hayward said the jacket would be the solution for Great Lakes seamen, because they could conveniently wear

them while working on deck and keep warm at the same time.

Research began this at Pedder Bay on the Federal Government research vessel Laymore.

Drs. Hayward, Collis and Eckerson are being aided by seven research assistants and students. All are to take two turns each in being immersed for up to 2½ hours in the seven degree Celsius water wearing either seamen's heavy clothing, the thermofloat jacket or standard lifesaving jackets.

A Cost Guard medical officer has also joined them to test a new rewarming device against the present method of immersing a freezing person into a warm whirlpool bath. In the new method, warm air is pumped into a person's lungs, which appears to be a faster way of warming critical deep body tissue, such as the heart.

The Pedder Bay tests are being filmed for educational movie on cold water survival. Its cost is being paid by the (Great) Lakes Carriers Association.

Dr. Hayward said he expects to complete the project within a couple of months.

ADULT ENROLMENT SOARS

Enrolment in UVic's continuing education non-credit programme for adults was 3,370 during 1974-75, an increase of 56 per cent over the previous year's enrolment of 2,165.

Offerings by the Division of Continuing Education between April 1974 and March 1975 included 85 programmes for the general public and 32 specially developed courses and workshops for nurses, social workers, teachers, bankers, dieticians and physiotherapists.

In addition to the non-credit programme, part-time credit enrolment both on and off campus increased by 17 per cent to 1,511 this year.

Dr. L.E. Devlin, Director of Continuing Education, noted that the number of non-credit and part-time credit students nearly equalled the number of students registered at UVic on a full-time basis.

"The university has a long history of sharing its academic resource with the adult community, but we will have to receive more adequate funding from the

Provincial Government before we can expand our services to adults much further."

To meet community needs, non-credit classes were held both on the main campus and at such locations as hospitals, nursing schools and high-rise apartments. A two-week course on environmental marine biology was offered at the Bamfield Marine Station.

Non-credit offerings were scheduled primarily during evening hours and on weekends to facilitate access by adults. A two-week residential workshop in neuropsychology and two three-day weekends in classics provided opportunities for adults from outside Greater Victoria to live and study at the university.

In its part-time credit programme, UVic scheduled 26 Education and Arts and Science courses at Duncan, Nanaimo, Port Alberni and Courtenay, and more than 100 evening courses on the main campus.

Ninety full-time members of faculty acted as instructors or special lecturers in the non-degree programme, and courses were developed in co-operation with the faculties of Arts and Science, Education and Fine Arts. Professional staff of the McPherson Library, the Counselling Centre and Systems and Computing Services also acted as instructors in non-credit courses.

"There is a real faculty commitment to programmes for the community at UVic," Dr. Devlin said. "And with the development of the Faculty of Law and new professional schools of Nursing, Social Work and Public Administration, we anticipate continued expansion of opportunities for continuing education."

RESEARCH INVENTORY

The 1975 edition of the *Inventory of Research into Higher Education* put out by the Association of Universities and Colleges of Canada is now available.

The Inventory contains brief descriptions of 275 research, experimental or innovative projects in progress or completed during 1974.

Copies cost \$3 and can be ordered from Research Division, AUCC, 151 Slater Street, Ottawa.

SPECIAL COURSE

A special course dealing with recent advances on the rehabilitation of handicapped children and adults is being offered this summer by the University of Calgary for students who have completed their first year of graduate studies.

The course, limited to 20 students, will be July 14 to 18. Details are available at the Faculty of Graduate Studies at UVic.



Dr. Barss in his sound laboratory: the box-like structure is an adjustable space in which room conditions can be simulated for testing reverberations.

UNSOUND BUILDINGS

Dr. Walter Barss (Physics) will be lugging sonic equipment around campus during the summer with the aim of finding out how many of UVic's buildings, classrooms and lecture areas are acoustically unsound.

There is no doubt in his mind that some of them are, but with the help of a student assistant he will scientifically detail a situation he blames on architects and present his findings, on his own initiative, to the administration.

Dr. Barss is UVic's resident sound specialist, having done research in this area and tests in local churches, several of which have had acoustic problems.

Not to mention his academic training in the diffraction of X-rays, electrons and neutrons, which is similar in principle to many properties of sound waves, Dr. Barss' expertise in sound stems from his interest in music as a organist and a singer in a church choir and from his desire "to teach effectively and not be hampered by bad acoustics".

He ventured to say some faculty members are not popular with students mainly because "they are assigned to classrooms where it is difficult to make yourself heard."

Usually an area is bad acoustically because there is either too much reverberation and garbled sound from too much bare wall, ceiling and floor, or too little reverberation.

Dr. Barss, who was the first person to lecture in Elliott 168, a much-used lecture theatre, found it was defeated in its purpose by too much reverberation.

"If you hold a faculty meeting in Elliott 168 and there is a small turnout, it

is almost impossible to understand what everyone is saying."

On the other hand, MacLaurin 144, a lecture theatre which is continuously doubling as an auditorium for films and musical performances and as a practice area for the Music Department, has a lack of reverberation or feedback.

Dr. Barss said a frequent complaint from the Music faculty is that when a chamber group plays there, the sound goes out from them and disappears.

He has his reservations about the new McKinnon gymnasium being an adequate place for convocations and musical events. "There seems to be a lot of echoing, like a railway station effect". However, the old gymnasium is not too bad acoustically, mainly because the roof trusses break up reverberation between walls. A large crowd also absorbs a lot of sound, otherwise such gyms would be disasterous for good hearing.

Strangely enough, the problem with many classrooms is the acoustic ceiling tiles. Dr. Barss said there should be more reflectant material on the ceiling so a person's voice can be projected to the back of the room. What should have absorbent material is the floor, and this can be solved by carpetting.

Dr. Barss said bad acoustics in public buildings is usually the fault of architects. In concentrating on the visual feel of buildings "many architects overlook important problems in acoustics and lighting."

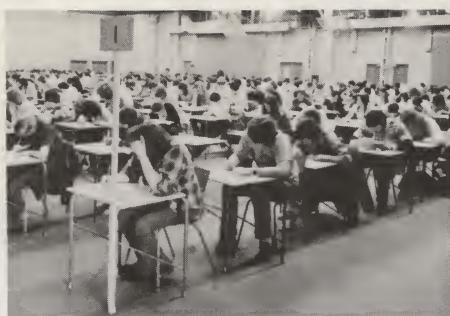
It seems the new University Centre, with its desperately needed, 1,000-seat auditorium, will not be spoiled acoustically, because for this project acoustic consultants have been engaged.

'RARE HONOR'

Michael D. Willis, a fourth-year student in History in Art, has been selected as one of the 12 University of Chicago Humanities Fellows for 1975-76.

"This award is a rare honor, and you are to be congratulated," said Catherine Ham, University of Chicago Dean of Students, in a letter of notification to Mr. Willis.

The award covers full tuition for three quarters and provides a living cost stipend of \$2,700 per year. The award is renewed on the same terms for two subsequent years if satisfactory progress is made towards completion of a doctorate.



THESIS EXAMS

Forthcoming oral examinations at the Faculty of Graduate Studies include:

— David Eyles, M.A. Candidate in Education, "A comparison of Attitudes in Zen and Existentially-Based Counselling", April 21, 2 p.m. MacLaurin 420.

— William Thomas, M.A. Candidate in English, "In Search of a Definitive: Some Variorum Problems in the Poetry of Robert Graves to 1948", April 22, 10:30 a.m., Sedgewick 33.

— Mrs. Anne Forester, M.A. candidate in Education, "The Acquisition of Reading", April 24, 9:30 a.m., MacLaurin 225.

— Farough (Frank) Safayeni, M.Sc. candidate in Psychology, A Special Instance of "Perceptual Work" and its Quantification, April 24 at 2 p.m. Cornett 193.

— Kenneth Alan Jones, M.A. candidate in Geography, "The Mobility of the Aged: A Study of the Saanich Silver Threads Centre", April 28, 10:30 a.m., Cornett 145.

CLASSICAL WEEKEND

An on-campus residential weekend for members of the public interested in classical studies is being offered again this year by UVic.

This year's course is entitled "The Sophoclean Tragic Hero," and it will take place May 9, 10 and 11 under the auspices of the Department of Classics and the Division of Continuing Education.

No previous knowledge of the classics is necessary. Registration deadline is April 30, and the course will be limited to 40 persons. A fee of \$25 covers accommodation and meals.

The programme includes a variety of lectures and discussions, and the film *Oedipus the King*, featuring Christopher Plummer and Orson Welles.

Resident tutors will be Miss Vicki Cameron, Dr. John Fitch and Dr. S.E. Scully, all of the Department of Classics.



NEW FACULTY PRESIDENT

D.F. Henn (Hispanic) was elected president of the UVic Faculty Association at its recent annual meeting.

Others named to the 1975-76 executive are T.R. Warburton (Sociology), vice-president; C.W. Tolman (Psychology), past president; G.A. Milton (Psychology), secretary; R.H. Mitchell (Chemistry); and J.M. Michelsen (Philosophy) and Pat Martin-Bates (Visual Arts), members-at-large.

BADMINTON CHAMP

Maureen Hibberson (Physical Education) recently won the B.C. Veterans' women's doubles.

Current holder of the Lower Vancouver Island and Victoria Veterans' title (partnered by Mary Jean Smith, wife of Dean Peter Smith), Professor Hibberson also won the mixed doubles in the Canadian, Veterans' Open Badminton Championship Quebec City. She was playing with Ed Phillips, present American Vets mixed doubles champion.

Despite the coming of warm spring weather, April is the cruelest month for UVic students. It's a time for last-ditch studying and long stretches of exams in the Old Gymnasium. Between exams many students take advantage of the sun to unwind on the grass, or to do some more studying. In the foreground are Arts and Science students Sophie Lang and Bernadette Foley, with friend Tom Slater who plans to attend UVic next year.

CORRECTION

An error was made in a story in last week's *Around The Ring* on a year's delay of the opening of the schools of Nursing and Social Work. Instead of this year's operating budget of \$25,004,000, an increase of 36.8 per cent over last year, the story should have read last year's operating grant of \$25,167,000, an increase of 30.8 per cent.

FACULTY NEWS

PSYCHOLOGY

Recent publications of faculty members and graduate students include:

— Dr. David Walker, chapter, Evoked potential signs of central nervous system information processing, in Chose, M. (Ed.) *Operant Conditioning of Brain Potentials*.

— Dr. L.E. Acker, Experimental study of changes in children's popularity and social interactions as a result of behavior modification in the classroom (In press, *Canadian Journal of Behavioral Science*.)

— M.A. Pirot, Auditory discrimination

in transcendental meditators; chapter in *Scientific papers on transcendental meditation*. (Ed.) D. Orme-Johnson.

— Ralph J. Maddess, Reaction time to hemiretinal stimulation. *Neuropsychologia*, 1975, 13, 213-218.

— F.W. Whitford (and S.G. Zipf), Open-field activity in mice as a function of ceiling height: A genotype-environment interaction, *Behavior Genetics*, 1975, 5, 275-280; and Open-field activity in mice as a function of ceiling height: A genotype-environment interaction, *Behavior Genetics*, 1975, 5, 275-280.

At the recent Western Psychological Association meeting, Dr. C.K. Porac and graduate student F.W. Whitford delivered a number of papers written jointly with others. Mr. Whitford was also chairman of a session on Human Memory.

Dr. L.E. Acker was recently appointed editor at the Canadian Psychological Association convention in Windsor of *Behavior Modification Across Canada*.

MUSIC

Dr. C.K. Mather delivered a paper on "Aspects of Counterpoint in some Late Works of Guillaume Dufay" at the spring meeting of the Mid-West Chapter of the American Musicological Society at the University of Michigan, Ann Arbor.

Dr. Mather's paper "Dufay's *Missa Ave Regina Coelorum*, a Performing Edition" is being published in the May edition of the *Journal of the Canadian Association of University Schools of Music*. Another paper, "Maximilian I and his Instruments" appeared in the January edition of *Early Music*, and accepted for publication by Oxford University Press are items from her editions "Florentine Festival Music" and "Music for Maximilian" which were made for the 1973 and 1974 Early Music Workshop respectively.

CHEMISTRY

Dr. Robert N. O'Brien recently gave a lecture entitled "Relevant Chemistry from an Academic Chemist's Laboratory" to Lester B. Pearson College of the Pacific.

Dr. O'Brien was recently awarded a research grant of \$1,000 for the coming year to investigate metal corrosion inhibitors. He has also received a \$5,900 award from the Defence Research Board to conduct interferometric studies.

Dr. Reginald H. Mitchell has also received a special grant of \$1,000 from Gulf Oil Canada to develop compounds to be used as calibrants in spectrometric analytical development work.

EDUCATION

Dr. Lloyd Ollila will be Chairman of the Early Childhood and Reading Development Committee for the International Reading Association (IRA) during 1975-76.

Recently Dr. Ollila presented a paper at the Washington Regional Reading Research Seminar on "The Effect of Noise and Object on Acquisition of a Sight Vocabulary in Kindergarten Children", and a paper on "Skills Needed for Beginning Reading" in Boston for the National Council of Teachers of English. On May 12 he will be working with the Canadian Preconvention Institute on the topic of remedial reading in preparation for the ensuing IRA convention in New York City.

Dr. John Downing will be going on a lecture tour in Western Canada and Eastern U.S. during May.

On May 6, he will lecture of the Peace Country Council of the IRA at Grande Prairie, Alberta, and May 8 he will talk at the Child Guidance Clinic of Greater Winnipeg. May 16 he will give an address

on "Thinking About Reading" at the IRA annual convention in New York City. May 16 he will give a paper on "International Research on Reading Attainments", Educational Testing Service, Princeton, and May 19 an address on "Causes of Reading Failure" at New England Medical Centre Hospital in Boston. May 21 and 22 he will deliver talks on "Open Concept Education in England the United States" at Allentown and Philadelphia under the auspices of Pennsylvania State University.

COMING EVENTS

FRIDAY, April 18

2:30 pm Meeting, Faculty of Education, MacLaurin 169.

SATURDAY, April 19

1:00 pm Rugby, Play-offs — Semi Finals.

2:15 pm Soccer, Division Play-offs — Finals.

SUNDAY, April 20

2:15 pm Soccer, Division Play-offs — Finals.

TUESDAY, April 22

8:00 pm Faculty and Staff Badminton, New Gymnasium.

THURSDAY, April 24

12:30 pm Meeting, UVic Women's Action Group, Craigdarroch 203.

SATURDAY, April 26

1:00 pm Rugby, Barnard and Times Cup Finals.



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